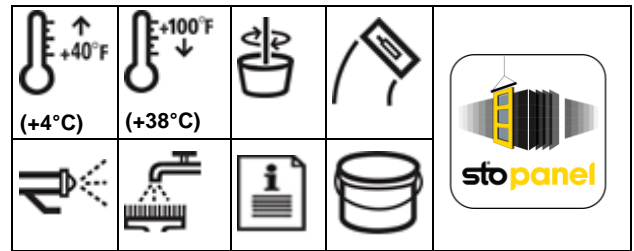


PRODUCT BULLETIN

StoPanel® Base Coat

Product Number: 81746



PRODUCT DESCRIPTION

StoPanel Base Coat is a polymer modified portland cement base coat for use in select StoPanel systems. Its unique formulation accelerates curing of the base coat to improve StoPanel fabrication throughput.

Application of StoPanel Base Coat is suitable for use in the following StoPanel Systems:

- StoPanel Classic NExT ci
- StoPanel Impact ci
- StoPanel XPS
- StoPanel Classic ci

| FEATURES | BENEFITS |
|--|--|
| Accelerated drying of base coat | Improves panel fabrication throughput |
| Factory blended single component dry mix base coat | Simple mixing; just add dry mix to water, no need for additives |
| Easy spread with extended working time | Applies like other base coats; no special application techniques |
| No VOCs | No off-gassing; safe for use in interior environments |

Packaging

50 lb (22.7kg) bag

Coverage

100-110 ft² (9.3-10.2m²) per 50 lb (22.7kg) bag

Coverage may vary depending on application technique, surface conditions, waste factor, and thickness.

Shelf Life

12 months, if properly sealed and stored in original unopened packaging.

Storage

Store off the ground in a dry area, between 50 and 80°F (10 and 29°C)

SURFACE PREPARATION

Sto Insulation Board surface must be properly installed, rasped, clean, dry, and free of all bond-inhibiting materials.

MIXING

Single Bag: mix with 5 to 6.5 quarts (4.7-6.2L) of clean, potable water in a clean mixing pail. Pour water in the mixing pail and add dry product. Mix with a clean, rust-free electric drill and paddle. Adjust amount of water or dry product to achieve a suitable application consistency. Allow to set approximately 5 minutes after mixing and remix to a uniform consistency. **IMPORTANT: AVOID RETEMPERING AFTER MIXING OF PRODUCT. DO NOT EXCEED MAXIMUM AMOUNT OF WATER IN MIX RATIO. EXCESS WATER IS DETRIMENTAL TO PERFORMANCE.**

APPLICATION

Apply only to structurally sound, clean, dry, properly installed and prepared Sto Insulation Board surface. Apply at ambient and surface temperatures above 60°F (15.5°C) for best results.

Base Coat Application: place material on the insulation board surface and spread with a stainless steel trowel to an approximate thickness of 1/8" (3mm). Work horizontally or vertically in strips of approximately 40" (1m) and immediately embed Sto Mesh in the wet base coat by troweling from the center to the edges of the mesh. Avoid wrinkles in the mesh and smooth the base coat to fully embed the mesh and to completely hide the color of the mesh. Allow base coat to cure, then apply StoPrime® Hot.

Cure Time of StoPanel Components at 70°F & 50% RH

| StoPanel Component | Fan Assist (if necessary) ¹ | Time ² (Hours) |
|---|--|---------------------------|
| StoPanel AWRB (w StoGuard Fabric at Joints) | Immediately after application | 3.5-5 |
| Sto EPS Insulation installed w Sto TurboStick Adhesive | N/A | 1 |
| StoPanel Base Coat w Sto Mesh embedded | After 2 hours of unaided curing | 3-4 |
| StoPrime Hot (apply between 3 and 4 hours after the application of base coat) | For up to 1 hour | 0.5-1 |
| TOTAL | | 8-11 |

1. Fan assist may not be necessary with higher temperature and/or lower RH. Do NOT use fan assist within the first 2-hours of StoPanel Base Coat Cure.

2. Results may vary with individual fabrication conditions/techniques

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Curing

The base coat reaches initial set within 4 hours under normal conditions [70°F (21°C), 50% RH]. Cure time varies with temperature/humidity and surface conditions. Cool and/or high humidity conditions extend cure time, hot and/or low humidity conditions accelerate cure time. The use of low-speed (2.5 mph) fans AFTER the first 2-hours of curing, evenly placed at a distance around the surface, will accelerate curing.

Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

LIMITATIONS

- Priming of the base coat is REQUIRED with StoPrime Hot
- Intended for application in an enclosed prefabrication environment. Avoid application in conditions that cause rapid drying of the base coat within the first 2 hours of its application. Use fans only as directed above.
- Use only when surface and ambient temperatures are above 60°F (15.5°C) and below 100°F (38°C) during application and drying period. Application at lower temperatures will not result in significant acceleration of cure.
- Intended for use as a base coat on Sto Insulation Boards. Not intended for use as an adhesive, or as a base coat on other insulation boards or wall board surfaces
- Finished prefabricated panels are intended for use on vertical above grade walls.

LIMITED WARRANTY

This product is subject to a written limited warranty which is extended exclusively through StoPanel Technology Affiliates.

HEALTH & SAFETY

Health Precautions

Contains portland cement and crystalline-free silica. Avoid breathing dust. As with any chemical construction product, exercise care when handling.

Safety Precautions

Use adequate ventilation. Use of a NIOSH/MSA-approved dust respirator, safety goggles and protective gloves is recommended.

First Aid

SKIN CONTACT: Wash thoroughly with soap and water.

EYE CONTACT: Flush immediately with water for 10-15 minutes and contact a physician.

RESPIRATORY PROB-LEMS: Remove affected person to fresh air immediately and contact a physician.

HYGIENE: Wash hands immediately after use. Wash clothing before re-use.

Spills

Collect in an appropriate container. Uncured material may be removed with water.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) at www.stocorp.com for further health and safety information

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TECHNICAL DATA

| REPORT | TEST METHOD | TEST CRITERIA | TEST RESULT* |
|--|---|--|--|
| Freeze/Thaw Resistance | ASTM E2485 | 10 cycles | No deleterious effects ¹ when viewed under 5X magnification |
| Tensile Adhesion | ASTM C297 | Greater than 15 psi (103 kPa) in | Greater than 15 psi (103 kPa) to Sto EPS Insulation Board |
| Surface Burning | ASTM E84 | Flame Spread: ≤ 25 Smoke Development: ≤ 450 | Flame Spread: 0 Smoke Development: 0 |
| Building Code Compliance | Class A Building Material | | |
| VOC (g/L) | This product complies with US EPA (40 CFR 59) and South Coast AQMD (Rule 1113) VOC emission standards for architectural coatings. VOC less than 50 g/L. | | |
| *Results are based on lab testing under controlled conditions. Results can vary between labs or from field tests. | | | |
| 1. No deleterious effects: no cracking, checking, crazing, erosion, rusting, blistering, peeling, or delamination. | | | |

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| <p>Sto Corp. 3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331 Tel: 404-346-3666 Toll Free: 1-800-221-2397 Fax: 404 346-3119 www.stocorp.com</p> | <p>Revision Number: 000 Date: 06/2023</p> | <p style="text-align: center;">ATTENTION</p> <p>This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components.</p> <p>STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME. For the fullest, most current information on proper application, clean-up, mixing and othespecifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com</p> |
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